

LIST OF CURRENT CLAIMS

Claims 1-17 (Canceled)

18. (Currently Amended) A security paper comprising:

a paper layer useful for producing documents of value;

a dirt repellent surface coating for improving durability of the paper layer disposed on at least one surface of said paper layer so as to be at least partially exposed;

wherein said coating comprises a non-polyurethane composition lacking a filler substance, and including a binder and acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition.

19. (Previously Presented) The security paper according to claim 18, wherein said composition is disposed on the security paper in a coating weight of from about 1 to 6 g/m².

Claim 20. (Canceled)

21. (Previously Presented) The security paper according to claim 18, wherein said composition includes a concentration of at least one substance having at least one visually or machine detectable property.

22. (Previously Presented) The security paper according to claim 21, wherein the substance includes a luminescent, magnetic, electroconductive, diffractive, light-interfering or light-polarizing properties.

23. (Previously Presented) The security paper according to claim 22, wherein said substance is partly provided in said coating in the form of a predetermined pattern.

24. (Previously Presented) The security paper according to claim 18 further comprising cotton fibers.

25. (Previously Presented) The security paper according to claim 18 further comprising plastic fibers.

26. (Previously Presented) The security paper according to claim 18, wherein the security paper is an unsized paper.

27. (Previously Presented) The security paper according to claim 18, wherein said coating is applied to the security paper only in predetermined areas, areas of said security paper lacking said coating being printed with an ink including special effect pigments.

28. (Previously Presented) A document of value including the security paper of claim 18.

29. (Previously Presented) A document of value comprising a security paper having a dirt repellent surface coating for improving durability of the paper layer disposed on at least one surface of said security paper so as to be at least partially exposed, said coating including a non-polyurethane composition including a binder, and lacking a filler substance, wherein said security paper further includes a print disposed over said surface coating and covered by an outer coating including a laquer layer, wherein said non-polyurethane composition includes acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition.

30. (Previously Presented) A method for producing a security paper, said method comprising the steps of:

producing a paper layer in a paper machine; and

applying a dirt repellent coating to at least a part of a surface of said paper for improving durability of the paper layer;

wherein said coating comprises a non-polyurethane composition lacking a filler substance, and including a binder and acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition.

31. (Previously Presented) The method according to claim 30 further comprising the step of sizing the paper prior to application of said coating.

32. (Previously Presented) The method according to claim 30 further comprising the step of printing onto said coating.

33. (Previously Presented) The method according to claim 30 wherein said coating is applied onto said security paper in a plurality of steps.

34. (Previously Presented) The method according to claim 33 further comprising the steps of:

applying a composition including a predetermined amount of at least one substance with at least one visually or machine detectable physical property in the form of a predetermined pattern onto at least a portion of said security paper; and

applying said composition without said predetermined amount of substance onto portions of said security paper lacking said predetermined pattern.

35. (Previously Presented) The security paper according to claim 18, wherein said surface coating extends along the entirety of the at least one surface.

36. (Previously Presented) The security paper according to claim 29, wherein said surface coating extends along the entirety of the at least one surface.

37. (Previously Presented) The method for producing a security paper according to claim 30, wherein the coating is applied to the entire surface of the paper.

38. (Previously Presented) A security paper comprising:

a paper layer formed of fibers useful for producing documents of value;

a dirt repellent surface coating for improving durability of the paper layer disposed on at least one surface of said paper layer so as to be at least partially exposed and forming a surface dirt repellent film on the fibers of the paper covered by the coating;

wherein said coating comprises a non-polyurethane composition lacking any filler substance, and including a binder and acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition.

39. (Previously Presented) The security paper according to claim 38, wherein the paper includes a printed area under said surface coating.

40. (Previously Presented) The security paper according to claim 38, wherein said surface coating leaves the exposed coating area of the paper receptive to printing.

41. (Previously Presented) A document of value comprising a security paper formed of fibers having a dirt repellent surface coating disposed on at least one surface of said security paper, said coating including a non-polyurethane composition including a binder, and lacking a filler substance, wherein said security paper further includes a print disposed over said surface coating and covered by an outer coating including a lacquer layer;

said coating forming a surface dirt repellent film on the fibers of the paper covered by the coating;

said non-polyurethane composition including acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition.

42. (Previously Presented) The security paper according to claim 41, wherein the paper includes a printed area under said surface coating.

43. (Previously Presented) A method for producing a security paper, said method comprising the steps of:

producing a fibrous paper layer in a paper machine; and

applying a dirt repellent coating to at least a part of a surface of said paper for improving durability of the paper layer;

wherein said coating comprises a non-polyurethane composition lacking a filler substance, and including a binder and acrylates or a mixture of acrylate and non-acrylate polymers or copolymers having a greater acrylate content in comparison to non-acrylate polymers in said composition;

said coating forming a surface dirt repellent film on the fibers of the paper covered by the coating.

44. (Previously Presented) The security paper according to claim 44, wherein the paper includes a printed area under said surface coating.

Application No.: 09/719,559
Examiner: Reinhard Plaschka
Art Unit: 1774

45. (Previously Presented) The security paper according to claim 44, wherein said surface coating leaves the exposed coating area of the paper receptive to printing.